Safe Post Crash Management of Battery Electric Vehicles (BEVs) - an Original Equipment Manufacturer (OEM) is sought

Summary

Profile type	Company's country	POD reference
Research & Development Request	**Italy**	**RDRIT20250711009**
Profile status	**Type of partnership**	**Targeted countries**
PUBLISHED	**Research and development cooperation agreement**	**• World**
Contact Person	**Term of validity**	**Last update**
Enrico FRANZIN	**11 Jul 2025** **11 Jul 2026**	**11 Jul 2025**

General Information

Short summary

A consortium is seeking an Original Equipment Manufacturer (OEM) as a partner that can cover all vehicle-related activities in a Horizon Europe project focusing on the design and integration of battery packs in electric vehicles, with a focus on security aspects and end-of-life treatment.

Full description

The project consortium, coordinated byan Austrian Research Institute, is looking for a company (SME or bigger) acting as Original Equipment Manufacturer, who can cover all vehicle-related activities in the project for the call EU HORIZON CL5-2025-04-D5-03: Safe post-crash management of road Light Duty Battery Electric Vehicles (BEVs); the project focuses on the road BEV electric drive components relevant from a system integration point of view.

The project outcomes are :
• Significant improvement of vehicle designs
(especially the design of the most recent battery pack and its integration into the vehicle) from the perspective of fire-hazard reduction, fire suppression, crashworthiness and post-crash handling compared with the baseline vehicle, following specific design guidelines;
• Advanced BEV condition assessment methods
and tools with a focus on the condition of the battery as the most critical sub-system, providing safety-relevant

information in a standardised format useful for rescue, towing and after-treatment services, complementing the digital battery passport, ensuring the safety of workers in all these phases, minimising environmental hazards and easy to apply by practitioners –towards standardised procedures
• Re-purposing/re-using/re-cycling of batteries from crashed BEVs facilitated by tailored interventions, high confidence in battery health condition and standardised handover protocols, thus supporting potential second-life applications of batteries from crashed BEVs;
• Best practices in fire handling and fire suppression, rescue procedures and handling of crashed Light Duty BEVs applied all over Europe, supported by training material and instructions for 'first responders', such as firefighters and emergency service workers;
• Dispelling safety concerns of (potential) BEV users as well as policy/decision makers by science-based communication and comparative statistics.

Call: EU HORIZON CL5-2025-04-D5-03: Safe post-crash management of road Light Duty Battery Electric Vehicles (BEVs).
The funding rate for the industrial partners is 70% .
The expected outcomes are at TRL 6.

EoI should be submitted before July 31st; call deadline 4/9/2025

Advantages and innovations

The project results will be:
- Significant improvement of vehicle designs
- Advanced BEV condition assessment methods
and tools
- Re-purposing/re-using/re-cycling of batteries from crashed BEVs
- Best practices in fire handling and fire suppression
- Better acceptance by customer

Technical specification or expertise sought

The partner should be an OEM company who can cover all vehicle-related activities:
- vehicle designs
- on-board diagnostics
- support in tasks related to firefighting procedures

Stage of development

Under development

Sustainable Development goals

- **Goal 7: Affordable and Clean Energy**
- **Goal 11: Sustainable Cities and Communities**
- **Goal 9: Industry, Innovation and Infrastructure**
- **Goal 13: Climate Action**

IPR Status

IPR Notes

Partner Sought

Expected role of the partner

Original Equipment Manufacturer.

The partner sought will have the following tasks:
• significant Improvement of vehicle designs (BEV crash safety, Integration of battery pack, Improved conditions for firefighting, etc.)
• On-board diagnostics
• Support in tasks related to firefighting procedures
• Delivery of BEVs for testing purposes (cost for transport and disposal can be covered by project budget)
• Support in proposal writing.

Type of partnership

Research and development cooperation agreement

Type and size of the partner

- **Big company**
- **SME 50 - 249**

Call Details

Framework program

Horizon Europe

Call title and identifier

Call: EU HORIZON CL5-2025-04-D5-03: Safe post-crash management of road Light Duty Battery Electric Vehicles (BEVs)

Submission and evaluation scheme

Innovation Actions

Anticipated project budget

5 Mln

Coordinator required

No

Deadline for EoI

31 Jul 2025

Deadline of the call

4 Sep 2025

Project duration in weeks

36

Web link to the call

https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL5-2025-04-D5-04?order=DESC&pageNumber=1&pageSize=50&sortBy=relevance&keywords=2Zero&isExactMatch=true&status=31094501,31094502,31094503&frameworkPr

Project title and acronym

SPCM

Dissemination

Technology keywords

- **02009001 - Design of Vehicles**
- **02009002 - Hybrid and Electric Vehicles**

Market keywords

- **08005 - Other Industrial Products (not elsewhere classified)**
- **08003004 - Industrial trucks and tractors**
- **06011 - Energy for Transport**

Targeted countries

- **World**

Sector groups involved

- **Mobility - Transport - Automotive**